

SUBSTATION CONSTRUCTION

EXPANSEELECTRICAL.COM

Turnkey Greenfield and Brownfield Power Delivery Construction Services from Expanse

Expanse Power Services, a division of Expanse, has the expertise to complete substation construction projects from 34.5kV up to 345kV safely and on schedule. Whether constructing greenfield projects from the ground up and/or brownfield expansion and upgrades, we provide turnkey power solutions from site preparation through energizing.

In the design stage of each project, Expanse Power Services places an emphasis on human performance improvements in safety, quality, construction accuracy and meeting the client's timeline and budget. We use design engineering controls to remove barriers and eliminate unnecessary pressures on and safety risk to the project team, developing project-specific tactics to eradicate job site complacency.

We offer a full array of services to the power delivery market, including EPC, engineering design, construction, and project & program management. We have the flexibility to provide these services through traditional EPC contract models or alternative contract models.

Jointly, the team brings over 100 years of experience having successfully completed industrial and utility power delivery projects of varying sizes and complexity, ranging from substation upgrades to EPC substations and switchyards.

BENEFITS OF EXPANSE'S POWER CONSTRUCTION SOLUTIONS

TURNKEY
SOLUTIONS
MAXIMIZE
EFFICIENCIES

QUALITY
DESIGN RESULTS
IN LOWER
ENERGY LOSS

VALUE
ENGINEERING
ADVANCES ASSET
PERFORMANCE
AND ENVIRON-
MENTAL IMPACT



The Expanse Advantage

- Turnkey Services
- OEM Agnostic
- Installation, Testing, Commissioning and Maintenance on What We Construct

Capabilities & Solutions

ENGINEERING & DESIGN

- Conceptual/Preliminary Engineering
- New Line Design
- Uprating Analysis and Design
- Standard and Specification Development
- Structural Analysis
- Storm Hardening
- Drafting
- Equipment and Material Procurement/ Expediting
- Program Management
- Routing Studies
- Feasibility Studies
- Human Performance Tool Design
- Grounding system survey
- HV, MV, and LV switchgear services

PRE-CONSTRUCTION SERVICES

- Right of Way Services
- Permit Acquisition
- Design Criteria Definition
- Site Optimization
- Schedule Development
- Conceptual Estimates
- Life Cycle Cost Analysis
- Landowner Interaction and Communication
- Surveying
- Environmental Studies



CONSTRUCTION SERVICES

- Full turnkey civil construction, required for substation brownfield and greenfield projects
- Oil Containment System Construction
- Steel Erection
- Ground Grid Installation
- Cutting-in of Transmission Lines
- Conduit Installation
- Transformers
- Bus Work
- Cable Installation and Wiring
- Trenching
- Grounding of all Equipment and Fencing
- Breaker Change Outs
- Switch Change Outs
- Panel Change Outs
- Installation of control house and required equipment and wiring

Why Expanse?

- 24/7 Emergency Response
- 70+ Years of Experience
- Turnkey Services & Solutions
- In-House Engineering Department
- Experienced Craftsmen
- Local Expertise on National Scale
- Customer Support Across Geographical & Operational Spectrums

EXPANSE
ELECTRICAL CO.

NEW MEXICO

Carlsbad

NORTH DAKOTA

Williston

OKLAHOMA

Oklahoma City • Tulsa

TEXAS

Andrews • Big Spring • Houston
Midland • Odessa • San Angelo

FOR MORE INFORMATION

832.699.2474